

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An arrangement in a mechanical shaft seal, comprising:
~~at least one a first~~ sliding surface part ~~[(2)]~~ rotating with a shaft ~~[(14)]~~ in relation to a frame; ~~and (13) of the device;~~
~~at least one a second~~ sliding surface part ~~[(4)]~~ fastened to the frame ~~[(13)]~~ and/or to a separate frame part ~~[(3)]~~ that is non-rotatable in relation thereto, wherein the first sliding surface part ~~(2) rotating in relation to the frame (13)~~ and the ~~non-rotating second~~ sliding surface part ~~[(4)]~~ are provided with sliding surfaces ~~[(15)]~~ pressed against one another, ~~at least one a first~~ additional part ~~[(7)]~~ arranged to connect the first sliding surface part ~~(2) rotating in relation to the frame (13)~~ to the shaft ~~[(14)]~~ and/or ~~to at least one an~~ insertion part ~~[(1)]~~ fastened to the shaft ~~[(14)]~~ and rotating therewith in order to transfer the rotating motion from the shaft ~~[(14)]~~ to the first sliding surface part ~~[(2)]~~, and ~~at least one a second~~ additional part ~~[(8)]~~ arranged to connect the second sliding surface part ~~(4);~~ ~~which is non-rotatable in relation to the frame (13);~~ to the frame or at least to one insertion part ~~[(6)]~~ connected to the frame in order to prevent the rotation of the second sliding surface part ~~[(4)]~~ in relation to the frame ~~[(13)]~~, ~~characterized in that~~ at least one of the first additional part parts ~~(7)~~ arranged to transfer the rotation torque of the shaft and/or ~~at least one of the second~~ additional part parts ~~(8)~~ receiving torque is a super elastic memory metal element arranged to bend within the limits of the reversible deformation of the material.
2. (Currently Amended) An arrangement as claimed in claim 1, ~~[[characterized in that]]~~ wherein all the first and second additional parts ~~(7, 8)~~ are memory metal elements.
3. (Currently Amended) An arrangement as claimed in claim 1, ~~[[characterized in that]]~~ wherein all the first and second additional parts ~~(7, 8)~~ are pins.
4. (Currently Amended) An arrangement as claimed in claim 1, ~~[[characterized in that]]~~ wherein all the first and second additional parts ~~(7, 8)~~ are threaded pins.

5. (Currently Amended) An arrangement as claimed in claim 1, [[characterized in that]] wherein all the first and second additional parts ~~(7, 8)~~ are plates.

6. (Currently Amended) An arrangement as claimed in claim 1, [[characterized in that]] wherein all the first and second additional parts ~~(7, 8)~~ are rings.

7. (Currently Amended) An arrangement as claimed in claim 1, [[characterized in that]] wherein the first and second additional parts ~~(7, 8)~~ are machining features of the first sliding surface part ~~parts (1, 2) rotating in relation to the frame (13)~~ and/or of the ~~non-rotating~~ second sliding surface part ~~[(4)]~~.

8. (Currently Amended) An arrangement as claimed in [[any one of preceding claims 1 to 7]] claim 1, wherein the arrangement also comprises at least one spring ~~[(5)]~~, which is arranged to press ~~[[the]]~~ opposite sliding surfaces ~~[(15)]~~ of the first sliding surface part ~~parts (1, 2)~~ and the second sliding surface part ~~[(4)]~~ against one another.

9. (Currently Amended) An arrangement as claimed in claim 8, [[characterized in that]] wherein the arrangement comprises ~~[[an]]~~ a second insertion part ~~[(6)]~~ movably fastened in the longitudinal direction of the shaft ~~[(14)]~~ to the frame ~~[(13)]~~, which is connected to the second sliding surface part ~~(4) that is non-rotatable in relation to the frame (13) and~~ which is pressed using the spring ~~[(5)]~~ against the second sliding surface part ~~[(4)]~~, the sliding surface ~~(15) thereof of the spring~~ being further pressed against the sliding surface of the first sliding surface part ~~(1, 2) that is rotatable in relation to the frame (13)~~.